



Early Journal Content on JSTOR, Free to Anyone in the World

This article is one of nearly 500,000 scholarly works digitized and made freely available to everyone in the world by JSTOR.

Known as the Early Journal Content, this set of works include research articles, news, letters, and other writings published in more than 200 of the oldest leading academic journals. The works date from the mid-seventeenth to the early twentieth centuries.

We encourage people to read and share the Early Journal Content openly and to tell others that this resource exists. People may post this content online or redistribute in any way for non-commercial purposes.

Read more about Early Journal Content at <http://about.jstor.org/participate-jstor/individuals/early-journal-content>.

JSTOR is a digital library of academic journals, books, and primary source objects. JSTOR helps people discover, use, and build upon a wide range of content through a powerful research and teaching platform, and preserves this content for future generations. JSTOR is part of ITHAKA, a not-for-profit organization that also includes Ithaka S+R and Portico. For more information about JSTOR, please contact support@jstor.org.

SCIENCE

FRIDAY, MARCH 26, 1920

CONTENTS

<i>Résumé of Observations concerning the Solar Eclipse of May 29, 1919, and the Einstein Effect:</i> DR. L. A. BAUER	301
<i>Unity and Balance in the Zoology Course:</i> PROFESSOR A. FRANKLIN SHULL	312
<i>A Forerunner of Evolution:</i> DR. MAYNARD SHIPLEY	315
<i>Scientific Events:—</i>	
<i>The Preservation of Natural Conditions; The National Committee on Mathematical Requirements; The New York State College of Agriculture and the New York State Experiment Station</i>	316
<i>Scientific Notes and News</i>	318
<i>University and Educational News</i>	319
<i>Discussion and Correspondence:—</i>	
<i>Modern Interpretation of Differentials:</i> PROFESSOR EDWARD V. HUNTINGTON. <i>Weight and Centripetal Acceleration:</i> PROFESSOR BURT L. NEWKIRK. <i>The Situation of Scientific Men in Russia:</i> DR. S. MORGULIS. <i>Russian and American Scientific Men: A MEMBER OF THE EXPLOITED CLASSES</i>	320
<i>Quotations:—</i>	
<i>Nitrogen from the Air and the British Government</i>	323
<i>Notes on Meteorology and Climatology:—</i>	
<i>Rainfall (and Snowfall) of the United States:</i> DR. CHARLES F. BROOKS	324
<i>Special Articles:—</i>	
<i>Intersexes in Drosophila simulans:</i> DR. A. H. STURTEVANT	325
<i>The Illinois State Academy of Science:</i> DR. J. L. PRICER	327

MSS. intended for publication and books, etc., intended for review should be sent to The Editor of Science, Garrison-on-Hudson, N. Y.

RÉSUMÉ OF OBSERVATIONS CONCERNING THE SOLAR ECLIPSE OF MAY 29, 1919, AND THE EINSTEIN EFFECT¹

1. A TOTAL eclipse of the sun is of more than passing interest, not merely to the astronomer but also to the geophysicist. Indeed, by reason of the supposed verification of the so-called Einstein effect during the solar eclipse of May 29, 1919, which, in consequence, may make that eclipse the most famous of all eclipses observed thus far, an eclipse of the sun has become of profound interest also to the physicist, to the mathematician, and to the philosopher, in general.

In the following brief account of the chief phenomena observed during the solar eclipse of May 29, 1919, the path of totality for which is shown in Fig. 1, the attempt will be made to bring out succinctly the various points of interest to men of science.

2. To give a personal touch let me first briefly state the results of my own expedition to Cape Palmas, Liberia, where totality was longer (6 minutes and 33 seconds) than at any other accessible station, where the sky was comparatively clear, contrary to all good meteorological predictions, and where totality

¹ Abstract of papers presented before the Philosophical Society of Washington (October 11, 1919 and January 3, 1920), Royal Astronomical Society of Canada, Toronto (December 2, 1919), American Academy of Arts and Sciences, Boston (January 14, 1920), American Philosophical Society, Philadelphia (February 6, 1920) and American Physical Society (New York, February 28). Also basis of public lectures delivered at the following universities: Toronto (December 2, 1919), College of the City of New York (December 4, 1919), Johns Hopkins (January 12), Yale (January 13), Brown (January 15), Columbia (January 16), Swarthmore (February 7) and Middletown Scientific Association of Wesleyan University (March 9).